FIG.1

(Prior Art)

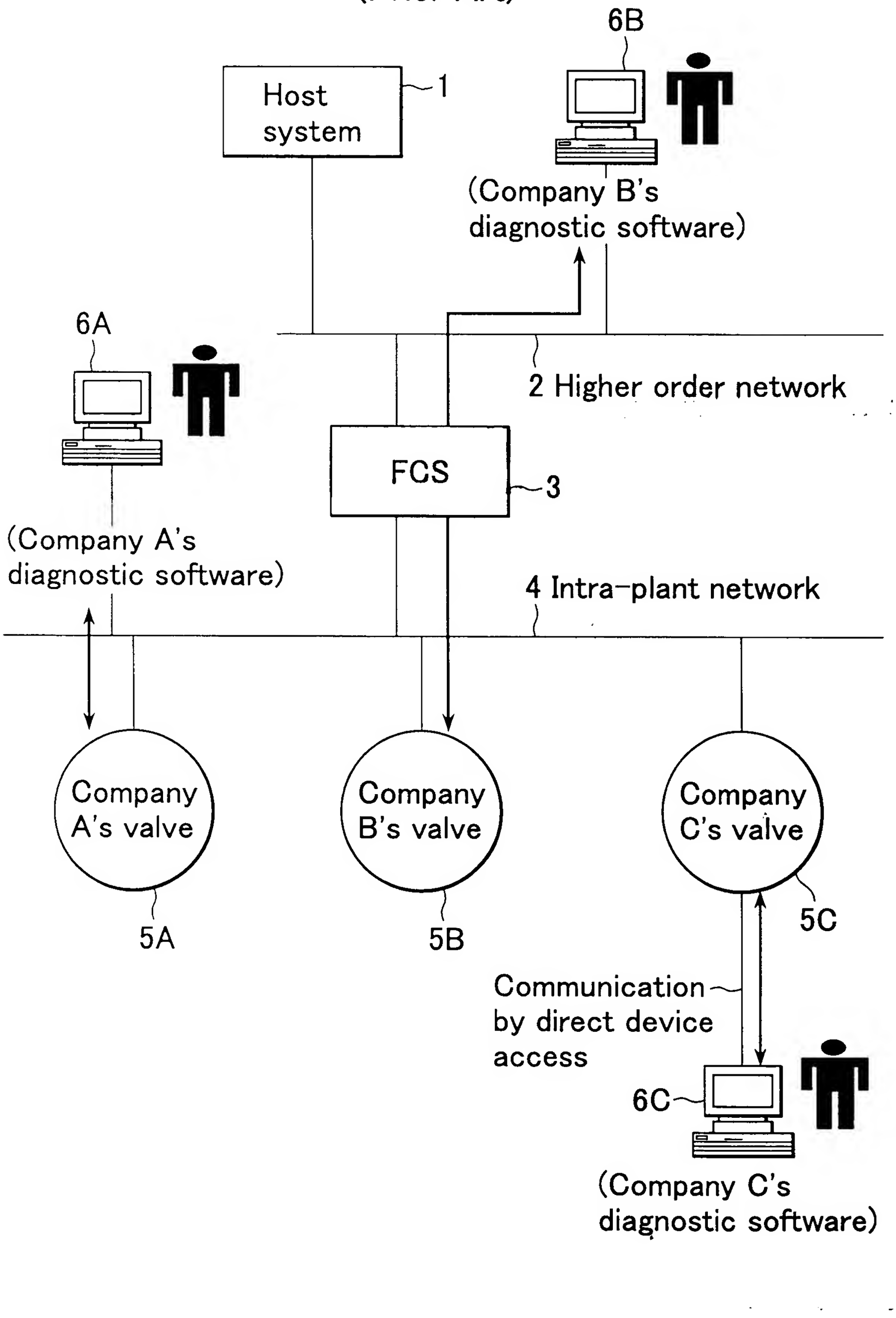


FIG.2

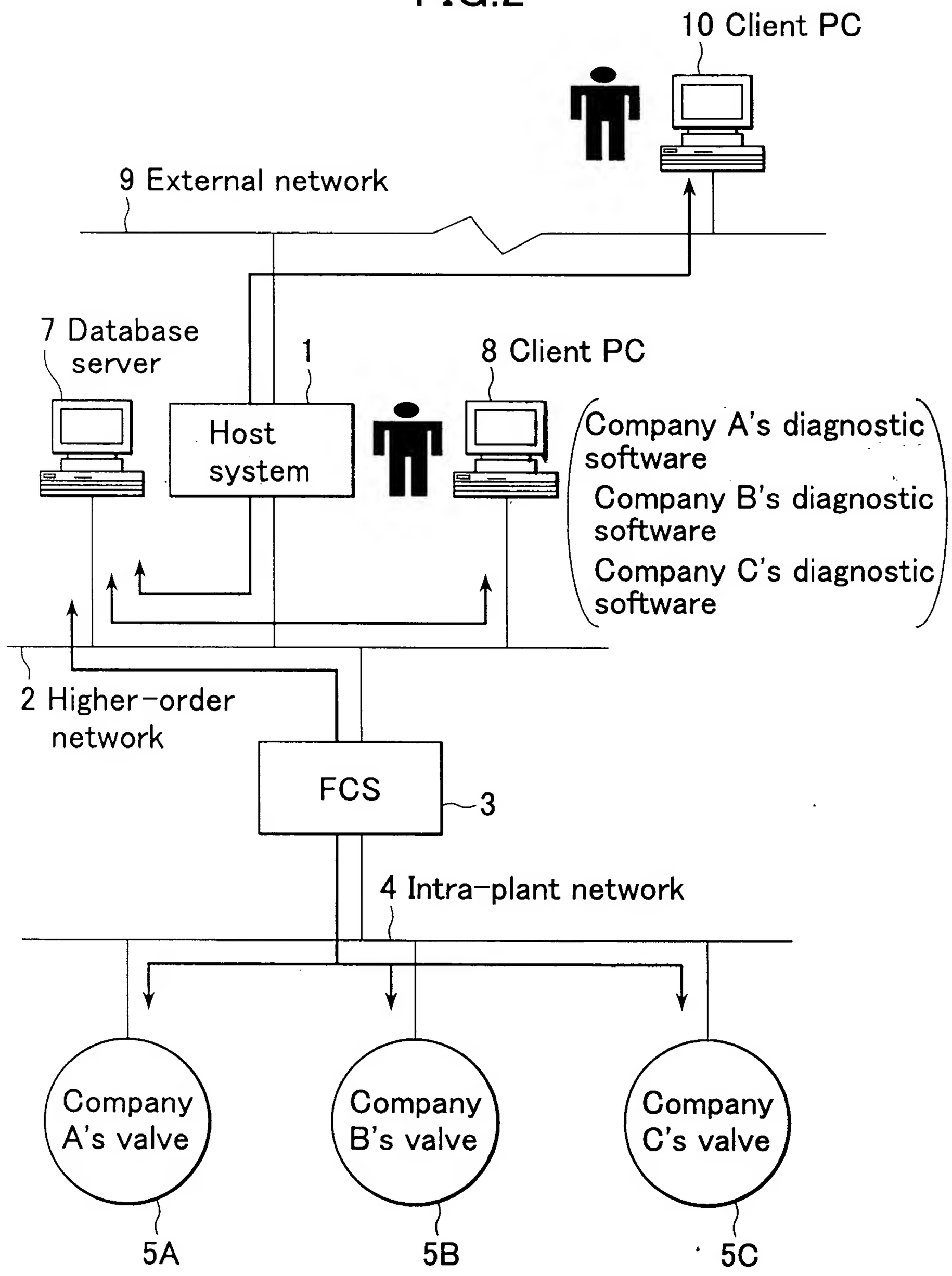

10 Client PC
9 External network
7 Database server
1
8 Client PC
Host system
Company A's diagnostic software
Company B's diagnostic software
Company C's diagnostic software
2 Higher-order network
FCS
3
4 Intra-plant network
Company A's valve
Company B's valve
Company C's valve
5A
5B
5C

FIG.3

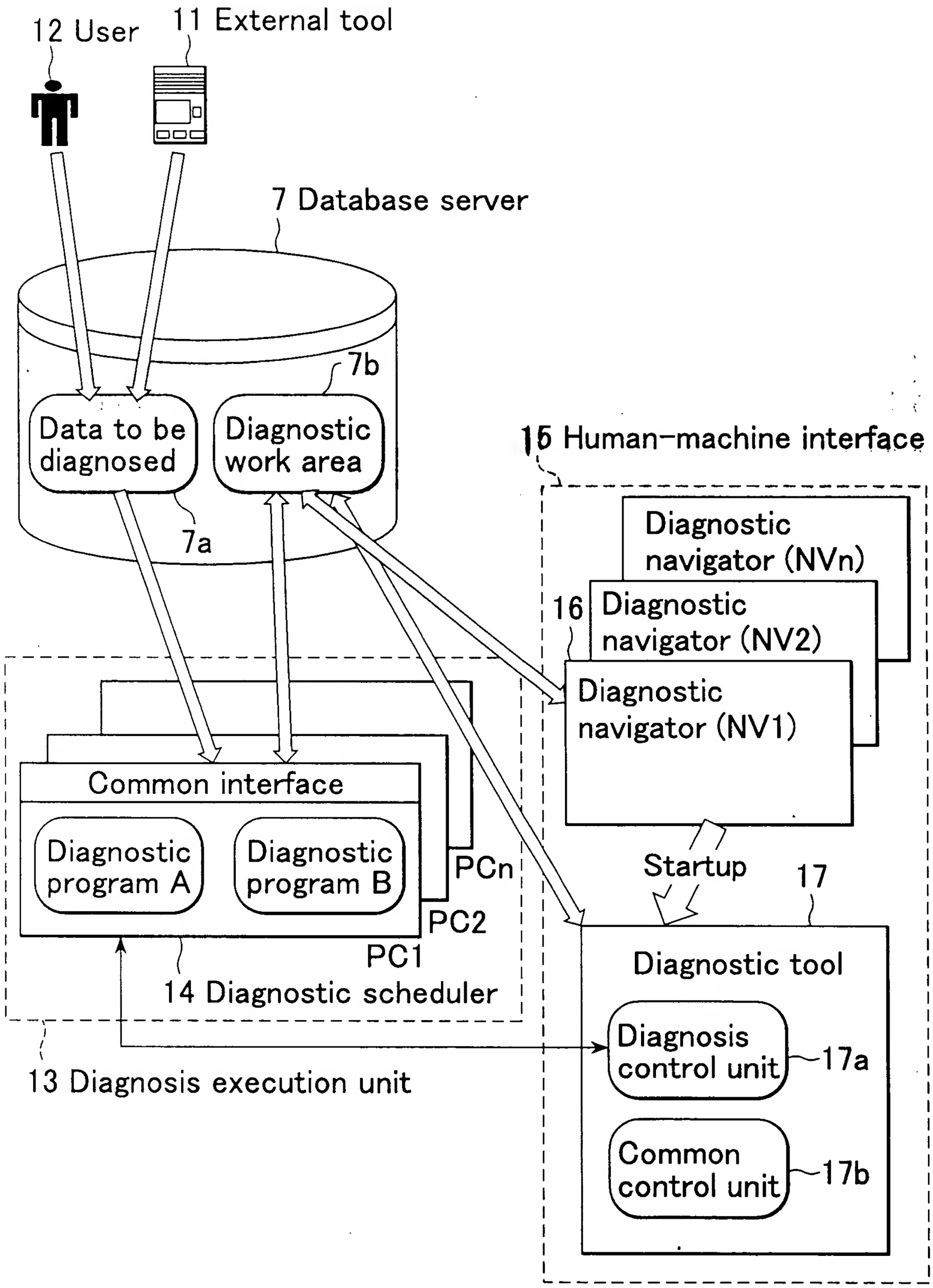
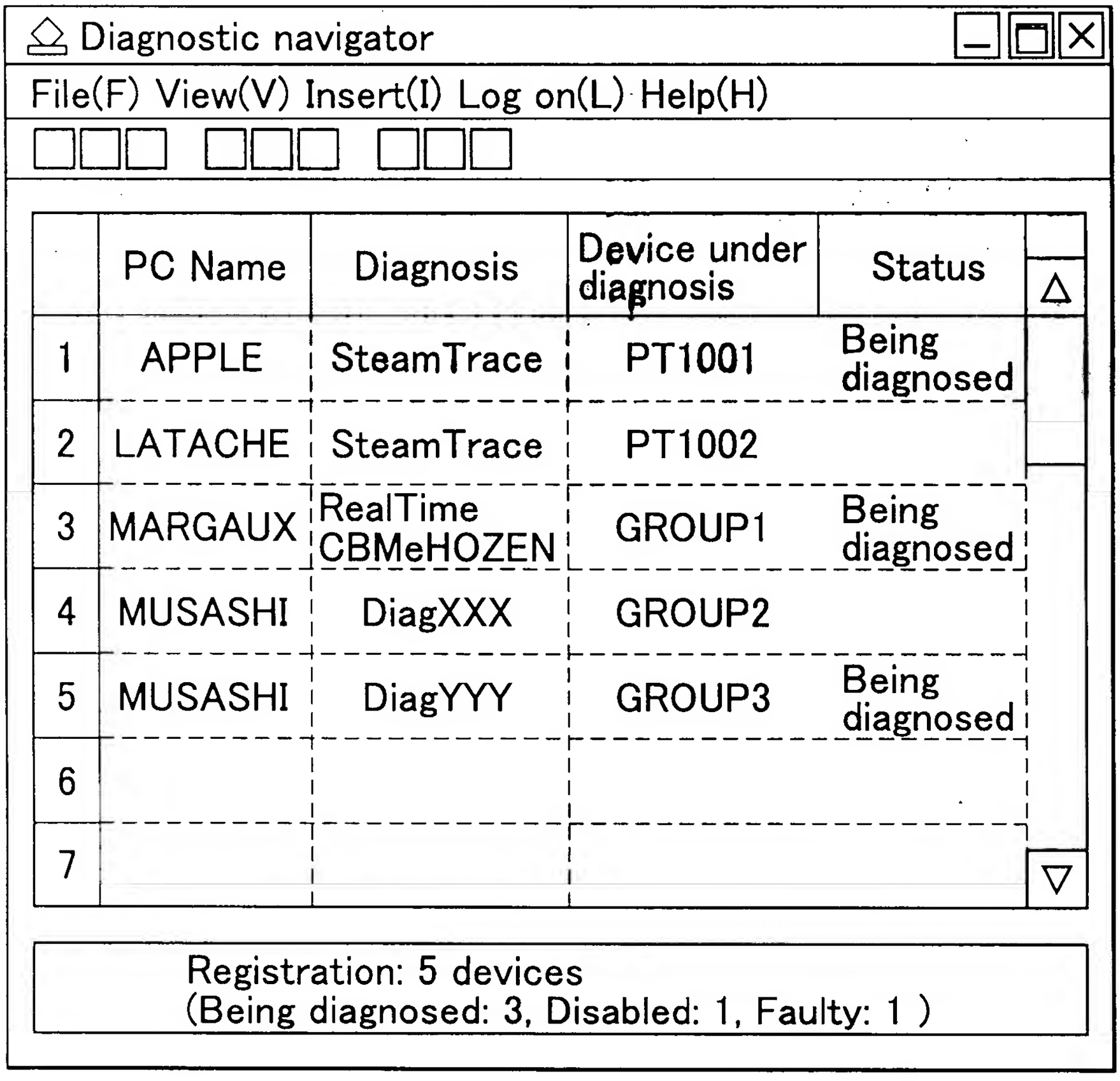

12 User
11 External tool
7 Database server
7b
Data to be diagnosed
Diagnostic work area
7a
15 Human-machine interface
Diagnostic navigator (NVn)
16
Diagnostic navigator (NV2)
Diagnostic navigator (NV1)
Common interface
Diagnostic program A
Diagnostic program B
PCn
PC2
PC1
Startup
17
Diagnostic tool
Diagnosis control unit
17a
Common control unit
17b
14 Diagnostic scheduler
13 Diagnosis execution unit

FIG.4


Diagnostic navigator
File(F) View(V) Insert(I) Log on(L) Help(H)
PC Name
Diagnosis
Device under diagnosis
Status
1 APPLE SteamTrace PT1001 Being diagnosed
2 LATACHE SteamTrace PT1002
3 MARGAUX RealTime CBMeHOZEN GROUP1 Being diagnosed
4 MUSASHI DiagXXX GROUP2
5 MUSASHI DiagYYY GROUP3 Being diagnosed
6
7
Registration: 5 devices
(Being diagnosed: 3, Disabled: 1, Faulty: 1)

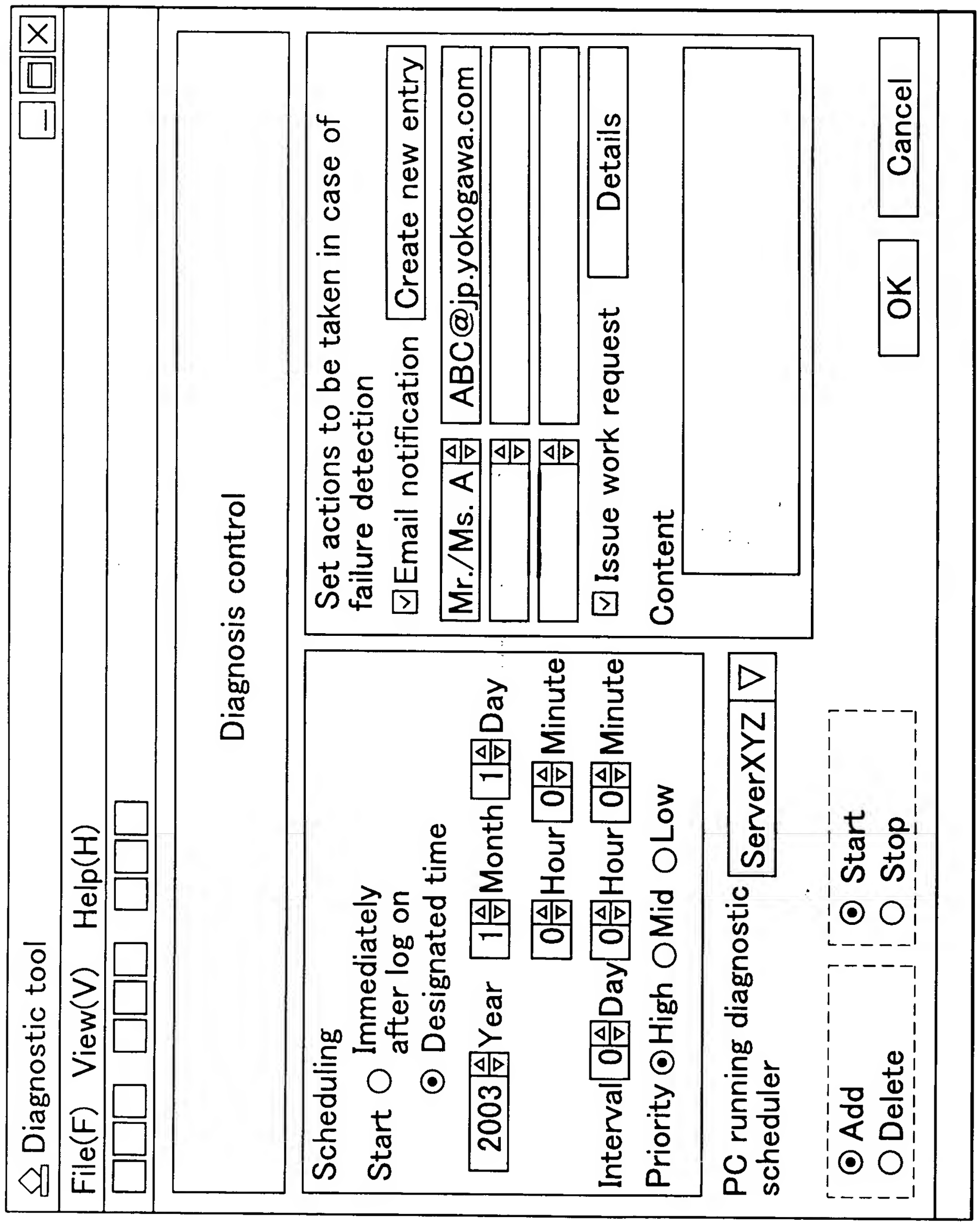

Diagnosis control
Set actions to be taken in case of failure detection
Email notification
Mr./Ms. A
ABC@jp.yokogawa.com
Issue work request
Content
Create new entry
Details
Cancel
OK
Scheduling
Start Immediately after log on
Designated time
2003 Year 1 Month 1 Day
0 Hour 0 Minute
Interval 0 Day 0 Hour 0 Minute
Priority High Mid Low
PC running diagnostic scheduler
ServerXYZ
Add
Delete
Start
Stop

FIG.5